SAFETY DATA SHEET

MANUFACTURER: SIERRA CORP/TK PRODUCTS     EMERGENCY PHONE: 1-800-424-9300
ADDRESS     : 11400 WEST 47TH STREET     INFORMATION PHONE: (952)938-7223
MINNETONKA, MN  55343
PRODUCT NAME: GLOSS URETHANE, WB
PRODUCT CODE: TK-1900

SECTION 1 - IDENTIFICATION

MANUFACTURER: SIERRA CORP/TK PRODUCTS     EMERGENCY PHONE: 1-800-424-9300
ADDRESS     : 11400 WEST 47TH STREET     INFORMATION PHONE: (952)938-7223
MINNETONKA, MN  55343
PRODUCT NAME: GLOSS URETHANE, WB
PRODUCT CODE: TK-1900

SECTION 2 - HAZARDS IDENTIFICATION

HAZARD RISK CLASSIFICATION

SIGNAL WORD: DANGER

PICTOGRAM:
GHS07 - EXCLAMATION MARK  GHS08 -  HEALTH HAZARD

HAZARD CLASS

FLAMMABLE LIQUIDS                CATEGORY 4
ACUTE TOXICITY                  CATEGORY 4  ORAL
ACUTE TOXICITY                  CATEGORY 4  DERMAL
ACUTE TOXICITY                  CATEGORY 4  INHALATION
SKIN CORROSION /                CATEGORY 2
IRRITATION
SERIOUS EYE DAMAGE /            CATEGORY 2 AND 2A
EYE IRRITATION

HAZARD STATEMENTS:
H227          Combustible liquid
H302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled
H315          Causes skin irritation
H319          Causes serious eye irritation.
H335          May cause respiratory irritation
H360          May damage fertility or the unborn child.

PRECAUTIONARY STATEMENTS:

PREVENTION:
P201           Obtain special instructions before use.
P202           Do not handle until all safety precautions have been read and understood.
P210           Keep away from heat/hot surfaces/sparks/open flames and other sources of ignition. No smoking.
P261           Avoid breathing dust/fume/gas/mist/vapor/ spray.
P264           Wash hands and any exposed area thoroughly after handling.
P270           Do not eat, drink or smoke while using this product.
P271           Use only outdoors or in well-ventilated area.
P281           Use appropriate personal protective impervious gloves/protective clothing/ OSHA approved eye protection/ face protection.

RESPONSE:
P301+P310      If swallowed: Immediately call a Poison Center / doctor.
P302+P350      If on skin: Wash with plenty of soap and water.
P304+P340      If inhaled: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.

P308+P313  If exposed or concerned: Get medical advice / attention.
P312      Call a POISON CENTER/doctor if you feel unwell.
P321      Specific treatment (see on this label)
P330      Rinse mouth.
P332+P333  If skin irritation occurs: Get medical advice/attention.
P337+P333  If eye irritation persists: Get medical advice/attention.
P363      Wash contaminated clothing before reuse.
P370+P378  In case of fire: Use carbon dioxide (CO2), powder, alcohol-resistant foam to extinguish.

STORAGE:
P403+P233  Store in a well-ventilated place. Keep container tightly closed.
P403+P235  Store in a well-ventilated place. Keep cool.
P405      Store locked up.

DISPOSAL:
P501      Store separately. Dispose of contents/ container in accordance with local/ regional/national /international regulations.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>CAS NUMBER</th>
<th>PERCENT</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>OTHER</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>N-Methyl-2-Pyrrolidone</strong></td>
<td>872-50-4</td>
<td>5.2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dipropylene Glycol Monomethyl Ether</td>
<td>34590-94-8</td>
<td>1-10</td>
<td>100 PPM</td>
<td>100 PPM</td>
<td>150 PPM STEL</td>
</tr>
<tr>
<td>Dipropylene Glycol N-Butyl Ether</td>
<td>29911-28-2</td>
<td>1-10</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2-Butoxyethanol</td>
<td>111-76-2</td>
<td>1.1</td>
<td>25 PPM</td>
<td>25 PPM</td>
<td></td>
</tr>
</tbody>
</table>

* Chemical(s) that are chronic health hazards. Refer to section 3 for further information.
+ Toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

PRIMARY ROUTES OF EXPOSURE:
Skin contact.

EFFECTS OF ACUTE EXPOSURE:

EYES: Direct contact with eyes may cause irritation.
SKIN: Prolonged or repeated contact may cause irritation. 2-Butoxyethanol may be absorbed through skin and produce toxic effects similar to those resulting from inhalation exposure.
INHALATION: Inhalation of vapor or mist can cause irritation of nose, throat and lungs and lead to headaches and nausea.
INGESTION: Not an anticipated route of exposure. Small amounts are not expected to be harmful.

CHRONIC HEALTH EFFECTS:
Although some components may indicate chronic exposure effects, no effects are anticipated under normal use conditions due to the relatively low proportion in the total mixture.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:
No known effects on other illnesses.

SECTION 4 - FIRST AID MEASURES

EYES: Flush with large amounts of water for 15 minutes, lifting upper and lower eyelids. If irritation persists seek medical attention.
SKIN CONTACT: Wash contaminated area with soap and water. Remove and launder contaminated clothing.
INGESTION: If a large amount is ingested, give water or milk and induce vomiting. Seek medical attention.
INHALATION: Remove victim to fresh air and provide oxygen if breathing is difficult. If breathing has stopped administer artificial respiration. Seek medical attention if condition persists.
SECTION 5 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: Greater than 200 F
METHOD USED: TCC

FLAMMABLE LIMITS IN AIR BY VOLUME:
LOWER: 1.10
UPPER: 14.0

EXTINGUISHING MEDIA:
This material will not burn in its liquid state unless heated above its flash point. Dried films may burn and can be extinguished by water spray, foam, dry chemical or carbon dioxide.

SPECIAL FIREFIGHTING PROCEDURES:
Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment. Isolate danger area, keep unauthorized personnel out.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
There is the possibility of pressure buildup in closed containers when heated. Water spray may be used to cool these containers.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
Do not let uncured spilled or leaking material enter watercourse. May be toxic to aquatic life. Absorb with oil-dri or similar inert material. Sweep or scrape up and containerize. Rinse affected area thoroughly with water. Wear appropriate protective equipment.

SECTION 7 - HANDLING AND STORAGE

HANDLING INFORMATION:
Employees who come in contact with this material must be trained in accordance to 1910.1200 of the Hazard Communicatin Standard. Wear chemical resistant gloves and protective clothing to minimize contact. The use of respiratory protection is advised when spraying because of mist and dust overspray.

STORAGE INFORMATION:
Keep containers tightly closed. Use and store material in cool, dry, well-ventilated areas away from heat, direct sunlight, hot metal surfaces, and all sources of ignition. Post "No smoking or open flame" sign. Store only in approved containers. Keep away from incompatible materials (see section 10). Protect containers against physical damage. Indoor storage should meet OSHA standards and appropriate fire codes.

OTHER PRECAUTIONS:
All empty containers should be disposed of in an environmentally safe manner in accordance with all governmental regulations.

SECTION 8 - EXPOSURE CONTROLS/PERSOANAL PROTECTION

RESPIRATORY PROTECTION:
No special requirements under normal use conditions. In confined areas, or areas with poor ventilation, engineering controls should be used to minimize exposure. Use NIOSH/MSHA approved respirator if conditions warrant.

VENTILATION:
General room ventilation is adequate.

PROTECTIVE GLOVES:
Prevent prolonged or repeated contact by wearing chemical resistant gloves and other appropriate protective clothing. Launder contaminated clothing before reuse.

EYE PROTECTION:
Wear safety glasses to reduce eye contact potential. Chemical safety goggles (ANSI Z87.1 or approved equivalent) are appropriate if splashing is likely. Eye washes must be available where eye contact can occur.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:
A source of clean water should be available for flushing eyes and skin. Showers should be available if larger spills are possible.

WORK/HYGIENIC PRACTICES:
Efforts should be made to minimize contact and spills. Always wash hands before eating, drinking, or smoking. Clean up spills promptly. Follow OSHA and company guidlines.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid
COLOR: Various colors
ODOR: Amine or ammonia odor
SOLUBILITY IN WATER: Dilutable
SPECIFIC GRAVITY (H2O=1): 1.
VAPOR DENSITY: Heavier than air.
BOILING RANGE:
EVAPORATION RATE: Slower than nBuAc
COATING V.O.C.: 374 g/l   (3.12 lb/gl)

==================== SECTION 10 - STABILITY AND REACTIVITY DATA ==================

STABILITY:
Stable under normal conditions and handling.

CONDITIONS TO AVOID:
None known

INCOMPATIBILITY (MATERIALS TO AVOID):
None known. Materials which are not compatible with water or ordinary organics will not be compatible with this material.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:
Combustion may liberate toxic byproducts such as carbon dioxide, and carbon monoxide, various oxides of carbon and nitrogen. Thermal decomposition may liberate acrylic monomers and ammonia.

HAZARDOUS POLYMERIZATION:
Will not occur.

==================== SECTION 11 - TOXICOLOGICAL INFORMATION ====================

SENSITIZATION:
None known.

CARCINOGENICITY:
There is no data available to indicate any components present at greater than 0.1% may present a carcinogenic hazard.

REPRODUCTIVE TOXICITY:
2-Ethoxyethanol has been suggested as a cause of male and female reproductive fertility effects, and testis damage.

TERATOGENICITY (BIRTH DEFECTS):
There is no data available to indicate any components present at greater than 0.1% may cause birth defects.

MUTAGENICITY:
2-Butoxyethanol may cause blood disorders based on animal data.

==================== SECTION 12 - ECOLOGICAL INFORMATION ====================

ENVIRONMENTAL DATA:
Contains ammonia or amines which may be toxic to aquatic life.

==================== SECTION 13 - DISPOSAL CONSIDERATIONS =====================

This product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261, however, state and local regulations may be more restrictive. Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. Incinerate liquid and contaminated solids in accordance with local, state, and federal regulations.

==================== SECTION 14 - TRANSPORT INFORMATION ======================

SHIPPING NAME:
Not regulated.

==================== SECTION 15 - REGULATORY INFORMATION ======================

All ingredients of this product are listed, or are excluded from listing, on the US Toxic Substances Control Act (TSCA) chemical substance inventory.

This product does contain a chemical(s) subject to the reporting requirements of SARA Title III, Section 313 (40CFR 372). See section 2.

STATE SPECIFIC REQUIREMENTS:
This product contains 2-Butoxyethanol, a chemical known to the state of California to cause reproductive harm, subject to the requirements of California Proposition 65.

STATE LISTED COMPONENTS	CAS NUMBER	STATE CODE
2-Butoxyethanol	111-76-2	CA, FL, IL, MA, ME, MN, NJ, PA, RI

REVISION DATE: 11/19/12

HMIS CODES: H F R P
2 0 0 E